

## CLIMATOLOGICAL DATA FOR NOVEMBER, 1911.

## DISTRICT No. 8, TEXAS AND RIO GRANDE VALLEY.

B. BUNNEMEYER, District Editor.

## GENERAL SUMMARY.

November was marked by unusually cold, dry, and windy weather, with frequent and great changes in temperature and about the normal amount of sunshine. A pronounced feature of the month was the exceptionally severe weather that prevailed during the last 4 days, when temperatures well below freezing occurred throughout the district, and below zero in Colorado and the northern half of New Mexico, breaking all November records of cold weather in many sections. Cattle on the ranges suffered considerably and much damage resulted in the sugar and trucking regions of Texas, while all unprotected tender vegetation was killed. The precipitation exceeded the normal over a limited area in Colorado and northern New Mexico, in southwest Texas covering portions of the Rio Grande, Nueces, and San Antonio watersheds, and on the upper Texas coast covering Matagorda, Brazoria, and Galveston Counties. Elsewhere it was decidedly deficient, and rain was needed in many sections of the district at the close of the month. The number of days with 0.01 inch or more of precipitation averaged 5 in Colorado, 3 in New Mexico, and 4 in Texas.

The greatest monthly precipitation in Colorado was 2.48 inches at Cumbres, and the least, 0.13 inch at Manassa. The greatest in New Mexico was 4.01 inches at Anchor Mine, and in Texas, 5.79 inches at Matagorda, while there was practically no precipitation at 15 stations in the former and at 2 stations in the latter State. Excessive precipitation of 2.50 inches in 24 consecutive hours occurred at 9 stations in Texas, the greatest being 4 inches at Columbia on the 6th.

Most of the precipitation in Colorado and New Mexico was in the form of snow, and the fall averaged above the normal. The greatest monthly amount in Colorado was 25.8 inches at La Veta Pass, and in New Mexico, 67 inches at Anchor Mine. In portions of the latter State the snow is hard packed on the north sides of the higher mountains and in the gulches where the depth varies from 3 to 5 feet. There was very little snow in Texas.

## TEMPERATURE.

The monthly mean temperature was 3.6° below the normal in Colorado and Texas, and 2.9° below in New Mexico. A severe cold wave overspread the entire district from the 27th to 30th, while in portions of the district cold waves occurred also from the 11th to 13th and 23d to 25th. The cold wave of the 11th caused a remarkably sudden and great fall of temperature in Texas as it

range of temperature varied from about 13° on the coast to about 37° in the extreme northwestern portion of the district.

The highest and lowest temperatures reported were: In Colorado, 67° at Garnett on the 10th and -21° at Hermit on the 12th; in New Mexico, 83° at Carlsbad on the 10th and -20° at Virsylvia on the 27th and at Red River Canyon on the 28th; and in Texas, 96° at Fallfarias on the 17th and 3° at Colorado and Valentine on the 29th. The local monthly means ranged from 23° to 30.9° in Colorado, from 25.9° to 49.9° in New Mexico, and from 43.6° to 64.7° in Texas.

## PRECIPITATION.

The average for the Rio Grande watershed was 0.81 inch, which is about 60 per cent less than the amount received during the preceding month. At 14 stations in New Mexico there was practically no precipitation, while the greatest amount, 4.85 inches, occurred at Fort McIntosh, Tex. A considerable excess occurred from Del Rio, Tex., southward to within about 100 miles from the Gulf, and there was a slight excess over the upper portion, but over the long stretch from Santa Fe, N. Mex., to Del Rio, Tex., the deficiency was pronounced.

The precipitation over the Rio Pecos watershed was below the normal over the entire stretch except the extreme upper portion where a moderate excess occurred. The average was 0.47 inch or about 30 per cent of the amount received during October. There was no precipitation at Liston, N. Mex., and the greatest amount was 2.42 inches at Winsors, N. Mex. In the upper portions of both the Rio Pecos and Rio Grande watersheds nearly all the precipitation was in the form of snow.

In the Nueces and San Antonio watersheds the precipitation was slightly greater than normal, but there was a general deficiency in the other Texas watersheds which varied from 0.43 inch for the Guadalupe to 1.62 inches for the Sabine. The following are the average monthly amounts in inches for the various watersheds: Nueces, 2.36; San Antonio, 2.44; Guadalupe, 2.27; Lavaca, 2.60; Colorado, 0.99; Brazos, 1.16; Trinity, 1.53; Neches, 3.00; Sabine, 1.96; and coastal plains, 2.14. The greatest monthly amount was 5.79 inches at Matagorda in the coastal plains, while there was practically no precipitation at Seymour in the Brazos watershed and none at Winters in that of the Colorado.

## RIVER CONDITIONS.

No rises of consequence occurred in any of the streams

TABLE 1.—Climatological data for November, 1911. District No. 8, Texas and Rio Grande Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.				Sky.				Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Colorado.</i>																				
Blanca.	Costilla.	7,865	2							2.48	0.37	-0.02	0.48	17.5	8	15	6	9	sw.	
Cumbres.	Conejos.	10,015	4							50	0.30	0.55	5.5	5	20	5	n.w.	Mrs. Ida M. Lively.		
Garnett.	Costilla.	7,576	18	26.5	-3.8	67	10	-15	29	50	1.35	0.40	15.0	6	17	3	10	...		
Hermit.	Hindsdale.	9,343	4					-21	12†		1.67	1.11	25.8	3	17	11	2	w.		
La Veta Pass.	Costilla.	9,000	1							50	0.13	0.10	2.0	2	14*	8*	7*	sw.		
Manassa.	Conejos.	7,700	5	29.1		60	20	-17	28	50	1.55	0.38	21.2	9	17	7	6	w.		
Platoro.	do.	7,675	4							50	0.29	-0.01	0.29	3.5	1	17	5	8	w.	
Saguache.	Saguache.	7,740	19	30.9	-2.5	60	21	-5	29	42	1.22	0.75	22.0	6	18	9	3	sw.		
San Luis.	Costilla.	7,794	20	29.6	-4.4	63	20	-15	28	51	0.72	+0.31	0.36	5.0	1	17	10	3	P. B. Albright.	
Wagon Wheel Gap Experiment Station.	Mineral.	9,235	...	23.0	-3.7	46	19	-11	12	43	1.13	+0.11	0.36	12.7	9	17	10	3	U. S. Weather Bureau.	
<i>New Mexico.</i>																				
Agricultural College.	Donna Ana.	3,863	49	45.8	-3.7	74	10	7	29	46	0.00	-0.58	0.00	0	0	15	15	0	sw.	
Alamogordo (near).	Otero.	4,338	10	47.8	-2.7	80	17	8	28†	50	0.18	-0.54	0.10	1.5	2	7	17	6	sw.	
Alamogordo.	do.	4,320	2							50	0.14		0.08	0.5	5	20	2	8	sw.	
Almos Ranch.	Sandoval.	7,800	1							50	1.00		0.54	12.0	1	20	8	2	w.	
Albuquerque.	Bernalillo.	5,000	35							50	0.34	-0.17	0.34	T.	1	20	8	2	Pitt Ross, C. E.	
Ancho.	Lincoln.	6,112	2							50	T.		0.2	0	0	0	0	Agent E. P. & S. W. R. R.		
Anchor Mine.	Taos.	10,000								50	4.01		0.60	67.0	11	15	0	15	C. H. Brigham.	
Artesia.	Eddy.	3,350	4	47.8		80	14	8	29	54	0.47		0.20	2.0	5	14	6	10	Will Benson, C. E.	
Aspen Grove Ranch.	Rio Arriba.	9,000	2							50	1.78		0.43	19.6	8	13	15	2	J. D. Maupin.	
Batemans Ranch.	do.	8,900	2							50	2.12		0.75	22.0	8	17	7	w.	John W. Bateman.	
Berino.	Donna Ana.	3,788								50	0.09		0.09	0	1	22	4	4	C. A. Thompson.	
Bluewater.	Valencia.	6,732	10	35.2		63	14	-3	30	47	0.39	-0.03	0.24	2.0	2	18	9	3	Bluewater Development Co.	
Boaz.	Chaves.	4,154	2	42.4		75	16	2	29	48	0.18		0.10	T.	2	18	6	6	D. C. Savage.	
Capitan.	Lincoln.	6,343	2							50	0.50		0.30	2.5	3	23	2	5	n.	
Carlsbad.	Eddy.	3,120	16	49.9	-2.5	83	10	11	29	51	0.20	-0.50	0.15	0	2	20	6	4	Agent E. P. & S. W. R. R.	
Carrizozo.	Lincoln.	5,429	3	42.4		65	10†	8	29	40	0.02		0.02	0	1	24	5	1	U. S. Reclamation Service.	
Chama.	Rio Arriba.	7,851	12	30.2	-7.0	58	20	-3	32†	40	1.65	+0.35	0.70	11.5	6	20	10	0	Agent E. P. & S. W. R. R.	
Cloudcroft.	Otero.	8,650	8	35.0		57	20	0	28	32	0.33	-1.33	0.13	1.2	3	13	14	3	Frank C. Johnson.	
Corona.	Lincoln.	6,666	2							50	0.39		0.20	2.0	3	20	0	10	Agent E. P. & S. W. R. R.	
Coyote.	do.	5,800	2							50	0.04		0.03	0	2	19	5	6	Do.	
Cundiyo.	Santa Fe.	6,889	2							50	1.08		0.48	7.1	5	22	4	4	Do.	
Demonstration Farm.	San Miguel.	6,800	2							50	0.09		0.05	1.0	2	24	4	2	Juan Vilij.	
Duram.	Torrance.	6,272	2							50	0.72		0.37	9.5	4	27	1	2	Erb & Westerman.	
Escondido.	Otero.	4,014	2							50	0.15		0.12	3.0	2	24	4	2	Agent E. P. & S. W. R. R.	
Espanola.	Rio Arriba.	5,590	13	35.2	-4.1	60	10†	-3	29	39	1.35	+0.55	0.72	13.2	8	18	8	4	Mrs. E. F. McBride.	
Estancia.	Torrance.	6,140	6	32.7		65	8	-5	28	47	0.14		0.14	2.0	1	15	10	5	Agent N. M. Central R. R.	
Fort Stanton.	Lincoln.	6,231	33	40.0	-1.8	70	10	-3	28	48	0.16	-0.67	0.05	1.5	4	21	3	6	U. S. Sanitarium.	
Fort Sumner.	Guanajuato.	3,960	3							50	0.21		0.11	2.0	2	21	5	4	F. A. Manzanares.	
Gallinas.	Lincoln.	6,635	2							50	0.32		0.30	10.5	6	20	6	4	Agent E. P. & S. W. R. R.	
Gallinas Planting Station.	San Miguel.	7,500	4	36.0		63	15†	-10	28	52	0.82								U. S. Forest Service.	
Glorietta Ranch.	Socorro.	5,700	1							50	0.00		0.00	0	0	24	2	4	sw.	
Harveys Upper Ranch.	San Miguel.	9,400	2							50	1.20		0.43	22.5	5	20	7	3	Charles M. Crossman.	
Hillsboro.	Sierra.	5,224	13	48.2	+1.3	79	1†	16	25	48	0.24		0.22	1.0	3	21	3	5	Simon B. Warner.	
Hondo Reservoir.	Chaves.	3,904	2	45.9		80	10	7	29	54	0.24		0.22	1.0	3	22	3	5	Dr. Frank I. Givens.	
Hope.	Eddy.	4,000	3							50	0.15		0.00	0	0	21	1	1	U. S. Reclamation Service.	
Jeunes Springs.	Sandoval.	6,100	2	35.4		58	19†	0	29	33	2.02		0.80	13.2	11	15	10	5	A. W. Board.	
Knowles (near).	Eddy.	4,300	2	45.2		78	10	6	29	49	0.17		0.15	0.2	0	2	21	5	Linus L. Shields.	
Laguna.	Valencia.	5,840	6	40.7		69	4†	7	29	44	0.16		0.16	2.0	1	18	8	4	J. W. Mosley.	
Lagunita.	Guadalupe.	4,500	6							50	T.		T.	T.	0	21	9	0	Guss Weiss.	
Lake Valley.	Sierra.	5,412	6							50	T.		T.	T.	0	21	9	0	P. A. Turnbull.	
Lakewood.	Eddy.	3,170	24	36.2	-4.2	70	16	-1	28	48	0.30	-0.49	0.20	3.2	5	22	6	2	Miss Josephine Knapp.	
Las Vegas.	San Miguel.	6,385	24							50	0.00		0.00	0	0	20	5	5	N. Mex. Normal University.	
Liston.	Chaves.	5,000	1							50	1.00		0.33	0.03	0	1	13	16	1	H. G. Liston.
Los Lunas (near).	Valencia.	4,900	21	39.6	-2.6	71	10	5	29	47	0.03	-0.43	0.03	0	0	16	12	2	Richard Pohl.	
Magdalena.	Otero.	5,556	6	38.8		61	19	4	29	40	T.		T.	T.	0	16	18	2	William Pender.	
Mescalero.	Otero.	6,627	33	38.8		62	20	-2	29	39	0.03		0.03	0.2	1	18	8	4	Rev. R. H. Harper.	
Mineral Hill.	San Miguel.	7,050	6							50	0.65		0.30	4.0	3	14	15	1	W. M. Nelson.	
Monterey.	Otero.	4,436	2							50	T.		T.	T.	0	20	6	4	Agent E. P. & S. W. R. R.	
Mountaintair.	Torrance.	6,547	10	34.6	-5.5	60	9	2	29	44	T.	-1.18	T.	T.	0	17	4	9	Miss Julia Hill.	
Newman.	Otero.	3,959	2							50	0.10		0.10	0	1	20	7	3	Agent E. P. & S. W. R. R.	
Noria.	Dona Ana.	4,114	2					74	7	4	29	0.20		0.20	0	1	24	0	6	Do.
Orange.	Otero.	5,000	4							50	0.07		0.07	0	1	22	3	5	J. Brownfield, Jr.	
Orogrande.	do.	4,171	2							50	0.07		0.07	0	1	21	3	5	Agent E. P. & S. W. R. R.	
Oseura.	Lincoln.	5,016	2							50	0.11		0.11	1.0	3	21	4	8	E. F. Jones.	
Otis.	Eddy.	3,100	2							50	0.38		0.26	T.	3	18	4	8	A. M. Hove.	
Otto.	Santa Fe.	6,200	2							50	1.02		0.91	1.2	4	18	4	8	O. H. Johnson.	
Pastura.	Guadalupe.	5,285	2							50	0.46		0.25	6.0	4	13	15	2	Agent E. P. & S. W. R. R.	
Placitas (near).	Bernalillo.	8,000	1	33.4		59	20	-3	29	39	0.75		0.40	10.5	3	18	8	4	George C. Ellis.	
Plainview.	Chaves.	4,300								50	0.07		0.07	0	1	22	4	4	L. P. Adair.	
Red River Canyon.	Taos.	8,956	3	25.9		60	1	-20	28	54	1.62		0.42	24.0	7	19	10	1	Mrs. L. R. Penn.	
Rincon.	Dona Ana.	4,030	13	45.0	0.0	76	10	5	29	53	T.	-0.47	T.	T.	0	21	8	1	U. S. Reclamation Service.	
Rio Grande Dam.</td																				

TABLE 1.—Climatological data for November, 1911. District No. 8—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmodified.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.					
<i>New Mexico—Contd.</i>																							
Tijeras Canyon.	Bernalillo.	6,214	1								0.93		0.87	2.0	2	16	7	7	sw.	U. S. Forest Service.			
Torrance.	Torrance.	6,432	2								0.42		0.30	5.5	3	14	9	7	sw.	Agent E. P. & S. W. R. R.			
Tres Piedras.	Taos.	8,076	6	28.6		57	20	-10	29	42	0.74		0.24	5.2	7	22	2	6	w.	U. S. Forest Service.			
Truchas.	Rio Arriba.	7,935	2	31.0		56	15	7	12	36	2.47		0.90	32.4	7	11	13	6	w.	Miss Ruth Rendon.			
Tularosa.	Otero.	4,436	3	46.8		71	20	12	29	35	0.00		0.00	0.0	0	17	11	2	sw.	I. L. Fairless.			
Vaughn.	Guadalupe.	5,952	2								0.53		0.21	7.0	3	21	4	5	s.	Agent E. P. & S. W. R. R.			
Virginia.	Taos.	7,500	1	28.9		64	23	-20	27	62	0.54		0.20	6.8	4	23	5	2	s.	Dr. I. N. Woodman.			
Winsors.	San Miguel.	8,200	13	28.4	-5.4	55	20	-11	28	50	2.42	+ 1.16	1.23	25.0	10	14	7	9	w.	Henry D. Winsor.			
<i>Texas.</i>																							
Abilene.	Taylor.	1,738	26	50.2	-2.4	87	11	14	29	59	0.31	-0.93	0.20	0	3	14	10	6	s.	U. S. Weather Bureau.			
Albany.	Shackelford.	1,429	17	49.0	-3.7	85	10†	7	29	53	0.17	-1.41	0.17	0	1	18	5	7		N. L. Bartholomew.			
Alice.	Jim Wells.	209	...	59.1		92	11	22	30	38	1.56		1.00	0	4	7	5	8	n.	R. M. Boerum.			
Alpine.	Brewster.	4,482	1			84	6	20	30	39	0.15		0.15	0	1	21	2	7	ne.	J. Frank Dobie.			
Anahuac.	Brazoria.	49	13	56.8									2.39		1.24	0	4	11	8	n.	Alvin Japanese Nursery.		
Antelope.	Chambers.	23	2			87	11	11	29	54	0.85		0.56	0.29	0	3	15	11	4	s.	B. H. Collins.		
Aspermont.	Jack.												0.22	0.22	0	1	24	3	3	s.	Chas. C. Hawkins.		
Austin.	Stonewall.	593	55	55.0	-3.2	84	11	20	30	40	1.51	-1.02	0.68	0	5	15	3	12	se.	Bryant Link Co.			
Bailey.	Travis.												0.66	0.66	0	2	18	4	8	n.	A. Deussen.		
Ballinger.	Runnels.	1,637	15	50.8	-3.7	83	11	10	29	55	0.76		0.66	0	4	25	4	1	n.	E. M. Eubank.			
Barstow.	Ward.	2,573	4	51.4		87	11	11	29	54	0.85		0.46	0	4	20	3	7	n.	Lee F. Freeman.			
Bay City.	Matagorda.	53	1										2.99		1.45	0	3	10	2	n.	E. C. Quereau.		
Beaumont.	Jefferson.	29	10	56.9	-8.0	86	6	25	29	35	2.09	-1.92	0.89	0	8	13	0	17	ne.	John Bender.			
Beeville.	Bee.	225	15	59.8	-3.3	90	11	19	30	41	2.66	+ 0.38	2.31	0	4	6	12	12	n.	L. E. Dickey.			
Big Spring.	Howard.	2,396	13	50.1		85	11	7	29	56	0.18	-1.27	0.10	0	2	20	5	5	s.	B. Reagan.			
Blanco.	Blanco.	1,350	15	52.0	-5.0	88	16	13	30	41	1.74	-0.49	1.13	0	4	14	13	3	nw.	R. C. Crist.			
Boerne.	Kendall.	1,412	19	52.5	-4.4	88	16	17	29	51	2.95	+ 0.23	1.62	0	6	11	3	16	n.	F. W. Schweppe.			
Booth.	Fort Bend.	81	10										1.81	-1.43	1.40	0	3	14	0	16	n.	T. R. Booth.	
Bowie.	Montague.	1,113	16	51.8	-3.0	89	11	15	29	46	0.20	-2.28	0.11	0	3	13	14	3	n.	Craig Anderson.			
Brady.	McCullough.	1,500	10																		G. W. Virlung, Jr.		
Brazoria.	Brazoria.	25	22	60.0	-2.8	86	6	16	30	45	5.41	+ 1.59	3.06	0	9	15	9	6	n.	Mrs. M. A. Stevens.			
Brazos.	Palo Pinto.	801	2										0.57		0.35	0	2	14	9	7	s.	Robt. E. Boyett.	
Brenham.	Washington.	350	26	55.6	-5.5	87	10	21	30	36	2.27	-1.49	1.70	0	8	12	2	16	n.	Mrs. B. F. Sloan.			
Bridgeport.	Wise.	764	2										0.20		0.20	0	2	15	5	10	s.	Claude Strange.	
Brighton.	Nueces.	12	18	62.3	-4.2	86	6	22	30	38	1.73	-0.62	0.65	0	4	15	3	12	nw.	G. H. Ritter.			
Brownsville.	Cameron.	38	47	64.0	-3.5	88	10	27	30	33	1.54	-0.66	0.66	0	8	16	8	6	n.	U. S. Weather Bureau.			
Brownwood.	Brown.	1,342	19	51.0	-2.3	88	11	11†	30	58	0.84	-0.79	0.71	0	3	16	8	6	n.	Mrs. Pearl Smith.			
Cameron.	Milam.	3	34	54.6		88	11	15	30	60	1.76		1.11	0	10	21	6	3	s.	J. E. Watts.			
Carmona.	Polk.	330	3	54.2		87	10	13	30	45	2.64		1.17	0	7	14	6	10	n.	M. S. Spitzer.			
Claytonville.	Fisher.	2,100	16	50.8	-1.9	85	11	8	29	48	0.18	-1.35	0.13	0	2	16	6	8	sw.	Wm. Lanier.			
Clinton.	Bosque.	671											0.73	-0.51	0	2	15	6	9	s.	R. M. Jones.		
Coleman.	Coleman.	1,710	17	54.9	+ 0.2	88	11	11	29	51	0.63	-0.97	0.38	0	3	11	11	8	n.	J. E. Stevens.			
College Station.	Brazos.	308	21	57.2	-1.2	87	10	20	30	51	1.87	-1.97	1.11	0	9	13	5	12	s.	Prof. G. S. Fraps.			
Colorado.	Mitchell.	2,066	17	51.6	-2.2	88	10	3	29	57	0.45	-1.02	0.29	0	3	19	5	6	s.	R. M. Webb.			
Columbia.	Brazoria.	34	22	61.6	-0.6	87	11	14	30	56	4.65	+ 0.89	4.00	0	4	16	10	4	n.	R. B. Loggins.			
Columbus.	Colorado.	206	7										1.86		1.46	0	4	9	8	n.	Mrs. Sophie Bridge.		
Corpus Christi.	Nueces.	20	24	60.4	-3.0	83	17	29	30	32	1.49	-0.92	0.96	0	6	6	9	15	n.	U. S. Weather Bureau.			
Corsicana.	Navarro.	445	22	52.0	-4.0	85	10	19	30	51	1.15	-2.11	0.82	0	3	15	3	12	n.	D. H. Winn.			
Cottulla.	La Salle.	425	4										4.28		1.50	0	5	5	7	n.	Holland Agriculture Co.		
Crockett.	Houston.	350	7	56.0		87	10	18	30	49	3.50		1.75	0	5	16	5	9	e.	A. M. Rencher.			
Cuero.	DeWitt.	177	21	55.4	-7.0	86	11	17	30	44	4.15	+ 1.11	3.84	0	4	14	1	15	n.	H. R. Frobose.			
Dallas.	Dallas.	466	22	51.9	-2.7	88	10	15	30	57	1.08	-1.88	0.62	0	6	16	0	14	n.	G. A. Eisenlohr.			
Danevang.	Wharton.	145	15	59.4	-3.6	84	6†	14	30	45	3.18	-0.72	1.55	0	3	14	12	4	n.	H. P. Hermansen.			
Decatur.	Wise.	1,047	15										2.99	-0.87	1.78	0	10	12	8	se.	Ft. W. & D. C. Ry.		
Del Rio.	Val Verde.	952	5	53.6	-5.6	86	15	18	29	42	2.65	+ 0.87	1.78	0	10	10	12	8	se.	U. S. Weather Bureau.			
Devine.	Medina.	653	1	55.6		88	11	17	30	46	1.82		0.72	0	3	10	9	11	n.	M. A. Keller.			
Dinalvile.	Cherokee.	575	7	54.4		88	10	21	29	54	2.73		1.40	0	5	15	7	8	n.	J. M. B. McKnight.			
Dillie.	Frio.	569	1										2.50		1.65	0	2	12	9	s.	John W. Miller.		
Dublin.	Erath.	1,466	15	51.1	-4.3	87	10	12	29	54	0.71	-1.07	0.60	0	2	12	9	9	s.	Jno. O. Shafer.			
Dyal.	Travis.	820	22	56.0	-4.1	84	11	21	29	48	1.43	-1.06	0.75	0	3	18	1	11	n.	J. C. Edgar.			
Eagle Pass.	Maverick.	800	34	56.9	-4.2	85	11	19	29	41	2.84	+ 1.74	1.50	0	3	12	8	10	se.	Charles Tarver.			
Eastland.	Eastland.	1,420	4	49.8		89	11	10	30	62	0.50		0.30	0	2	16	1	13	s.	Wm. D. Cook.			
Edna.	Jackson.	71	2										2.63		2.53	0	2	22	5	3	n.	E. L. Fairless.	
El Paso.	El Paso.	3,762	32	48.8	-2.1	74	10	16	29	42	0.35	-0.24	0.34	0.1	3	22	5	3	nw.	U. S. Weather Bureau.			
Encinal.	La Salle.	558	3										1.26		0	0	0	0	0		H. C. Braden.		
Eola.	Concho.												0.50		0.50	0	1	17	10	3		E. W. Neal.	
Fairland.	Burnet.	1,000	22	55.7	-1.7	88	11†	18	29	54	1.14	-1.07	0.39	0	6	16	7	7	s.	R. L. Bush.			
Falfurrias.	Brooks.	3	62.3			96	17	20	30	45	1.76		0.73	0	4	15							

TABLE 1.—*Climatological data for November, 1911. District No. 8—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.						Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.			
<b>Texas—Continued.</b>																						
Hewitt.	McLennan.	664	16								1.24	- 1.48	0.54	0	4	4	16	10	4	s.	I. H. Earle. John A. Eakins. W. G. Escott.	
Hico.	Hamilton.		7								0.70	0.31	0	4	4	16	10	4			H. E. Haas.	
Hillsboro.	Hill.	628	8																		U. S. Weather Bureau.	
Hondo.	Medina.	901	12	52.8		82	11	20	29†	38	2.22	+ 0.49	0.86	0	4	18	4	8	n.		W. Y. Barr.	
Houston.	Harris.	138	21	57.8	- 3.5	86	10	23	30	41	1.92	- 1.97	1.58	0	8	10	5	15	se.		Wichita Valley Ry. Co.	
Huntsville.	Walker.	400	27	55.0	- 4.2	91	6	19	30	36	2.74	- 1.06	1.60	0	4	16	0	14	se.		Earle Adkisson.	
Jayton.	Kent.	1																			B. J. Hubbard.	
Jewett.	Leon.	496	7	51.8		87	10	18	30	49	2.15		1.20	0	2	20	5	5	n.		Robert E. Horne.	
Junction.	Kimble.	1,645	10	46.2		80	22	9	29	46	1.20	- 0.28	1.02	0	2	15	10	10	n.		Jos. Tweedy.	
Kaufman.	Kaufman.	448	12	53.5	- 4.3	85	10	20	29†	57	1.41		0.63	0	4	18	3	9	s.		T. A. Johnson.	
Kerrville.	Kerr.	1,650	15	53.1	- 4.3	87	15†	11	30	50	1.68	- 1.30	0.70	0	5	13	6	11	n.		August Hermes.	
Knickerbocker.	Tom Green.	2,050	7	53.2		84	11†	9	29	48	0.66		0.37	T.	4	18	7	5	s.		S. D. Austin.	
Keiper.	Bosque.	576	14																		Mrs. K. I. Webber.	
Lagrange.	Fayette.	276	1																		Jno. G. Kenedy.	
Lamessa.	Dawson.	2,500	1																		Matt Cody.	
Lampasas.	Lampasas.	1,026	19	53.2	- 3.2	87	9†	12	30	64	0.97	- 1.18	0.81	0	4	16	2	12	n.		Mrs. Fannie Sneed.	
Le Parra.	Nueces.	38	9																		E. W. Torrence.	
Liberty.	Liberty.	38	7	56.6		86	6	16	30	43	2.24		1.55	0	5	14	7	9	n.		M. D. Wardlow.	
Llano.	Llano.	1,049	20	52.0	- 5.8	88	11	15	30	50	0.97	- 0.36	0.67	0	5	17	5	13	ne.		Geo. W. Ellis.	
Llano Grande.	Hidalgo.	86	3	59.9		92	16	16	30	48	0.94		0.53	0	2	8	9	13	n.		C. A. Propst.	
Long Lake.	Anderson.	229	6																		A. L. Paschall.	
Loydville.	Gregg.	336	25	64.2	- 2.1	90	11	21	29†	45	2.92	- 1.18	1.62	0	5	17	0	13	ne.		T. A. King.	
Lubbock.	Lubbock.	525	4	54.7		87	10	15	30	47	2.22		1.55	0.1	2	19	5	6	w.		John Carter.	
Lufkin.	Angelina.	418	22	56.9	- 3.3	85	11	19	30	35	2.04	- 0.38	1.24	0	6	11	3	16	s.		W. H. Whitley.	
McGregor.	Caldwell.	713	1																		Rev. A. P. Willis.	
Marathon.	Brewster.	4,043	1	48.0		77	16	14	28†	51	0.90		0.90	0	1	25	0	5	n.		R. H. Cochran.	
Marble Falls.	Burnet.	771	3																		R. K. Colquitt.	
Marfa.	Presidio.	3																			Lee Scott.	
Marshall.	Harrison.	375	2	54.7		85	10	15	30	52	1.24		0.70	0	4	29	7	6	s.		W. E. McNabb.	
Matagorda.	Matagorda.	12	1																		Miss Josephine Newman.	
Mexia.	Limestone.	537	7	51.6		85	10	17	30	49	1.50		1.06	0	7	9	7	14	s.		W. M. Mcdkiff.	
Midland.	Midland.	510	4	50.4		83	10	10	29	56	0.66		0.05	0	2	22	4	4	sw.		Chas. M. Kennedy.	
Mission.	Hildago.	140	1	64.7		92	11†	26	29†	40	1.42		0.41	0	4	11	11	8	se.		A. R. Shearer.	
Mont Belvieu.	Chambers.	65	1																		Lucius W. Goseelin.	
Mountain View.	Pecos.	2,900	1																		H. C. Smith.	
Mount Blanco.	Crosby.	2,750	22	45.4	- 3.9	80	10	29	40	60	0.24	- 1.12	0.24	2.0	1	20	2	8	n.		Miss Mary Hofmann.	
Nacogdoches.	Nacogdoches.	271	12	52.2	- 6.2	87	10	16	30	42	5.00	+ 0.46	2.90	0	3	14	3	13	n.		J. Giesecke.	
New Braunfels.	Comal.	720	22	54.4	- 5.0	85	11	18	30	36	1.65	- 0.54	1.65	0	1	15	10	5	n.		U. S. Weather Bureau.	
Palestine.	Anderson.	510	29	52.7	- 4.2	85	10	21	29	44	2.35	- 1.28	1.21	0	7	12	6	12	s.		E. H. Snider.	
Panter.	Frio.	1,000	22																		Ernest De Villiss.	
Pearl.	629	1																			R. B. Pointer.	
Pierce.	Wharton.	102	5	57.3		88	27	10	30	46	1.82		1.08	0	3	11	7	12	w.		J. F. Sander.	
Plainview.	Hale.	3,370	15	43.6	- 7.7	77	10	6	29	50	0.36	- 1.10	0.26	0.5	4	20	5	5	n.		Griffing Bros. Co.	
Port Arthur.	Jefferson.																				J. H. Hickford.	
Port Lavaca.	Calhoun.	20	10	58.8	- 6.2	85	15	19	29	41	0.44	- 3.30	0.44	0	1	10	10	10	n.		W. L. Dodd.	
Post City.	Garza.	2,700	1																		Rev. Joseph Reisdorff.	
Putnam.	Callahan.	1,591																			C. H. Pease.	
Raymondville.	Cameron.																				Lindsay Waters.	
Ricardo.	Nueces.	57	2																		Mrs. C. W. Higdon.	
Riverside.	Walker.	169	7																		H. D. Pearce.	
Robert Lee.	Coke.	1,850	12																		T. W. Bellamy.	
Rockland.	Tyler.	136	1																		Mrs. G. B. Grewe.	
Rockport**.	Aansas.	12	10	59.6	- 4.0	76	11†	28	29	22	0.59	- 1.32	0.20	0	3	24	6	6	n.		Reiffert & Froese.	
Rousseville.	Atascosa.	558	4	57.4		86	10†	17	20	44	2.04		0.58	0	6	14	8	8	se.		Jas. Johnston.	
Ryan.	Karnes.	308	16																		L. M. Crockett.	
Sabinal.	Uvalde.	964	7	56.0		83	11†	19	29†	36	2.90		1.50	0	5	10	6	14	se.		Sam Crowther.	
Sabado.	Bell.	1																			U. S. Weather Bureau.	
San Angelo.	Tom Green.	1,847	20	51.8	- 0.7	84	14	12	29	48	0.63	- 0.68	0.63	0	1	18	6	6	n.		F. A. Wilson.	
San Antonio.	Bexar.	701	26	56.0	- 3.2	87	11	23	29	33	2.01	+ 0.23	0.30	0	8	10	7	13	n.		J. B. McAllen.	
San Augustine.	San Augustine.	360	2	54.2		84	10	14	30	47	4.06		2.04	0	6	14	6	10	sw.		Miss L. C. Ford.	
San Juanito.	Hidalgo.																				Jas. Burns.	
San Marcos.	Hays.	588	18	55.1	- 5.3	88	11	17	30	38	1.99	- 0.56	1.45	0	4	16	0	14	n.		J. B. Wright, jr.	
San Saba.	San Saba.	1,712	10	52.9	- 4.4	85	10	11	30	49	0.81	- 1.45	0.38	0	4	22	4	4	n.		O. H. Albert.	
Santa Gertrudes.	Nueces.	11																			B. C. Lee.	
Sealy.	Austin.	201																			J. Allen Weaver.	
Seymour.	Baylor.	1,320	5	47.4		89	10	7	29	65	T.		T.	0	8	0	12	0	s.		Ed. Herbst.	
Snyder.	Scurry.	47.2				86	11	4	29	49	0.26		0.18	0	2	15	8	7	n.		J. D. Reagan.	
Somerville.	Burleson.	251	2	57.4		85	11†	30	44	2.05		1.10	0	3	15	3	12	n.		T. A. Williams.		
Spur.	Dickens.	2,300		46.8		84	10	10	29	50	0.39		0.23	0.2	3	22	3	5	n.		Arthur Bailey.	
Stamford.	Jones.	47.3				80	11	10	29	46	0.43		0.30	0	2	20	6	4	n.		W. A. Clark.	
Stowell.	Chambers.																				U. S. Weather Bureau.	
Sutherland Springs**.	Wilson.	424	1	56.8		88	11	12	30	42	2.87		1.43	0	4	14	2	14	n.		Frank Fitzpatrick.	
Taylor.	Williamson.																					

TABLE 2.—*Daily precipitation for November, 1911. District No. 8, Texas and Rio Grande Valley.*

Stations.	Watershed.	Day of month.																												Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
<i>Colorado.</i>																																
Blanca.	Rio Grande.	.48		.24		.38	.27	.40	.21																							2.48
Cumbres.	do.			T.																												0.37
Garnett.	do.																															1.35
Hermit.	do.	T.	.09		.12		.27	.38	T.	.07																					1.67	
La Veta Pass.	do.			T.		.09			.08		T.																				0.13	
Manassa.	do.																															1.55
Platoro.	do.	.02	.17		.11		.35	.34	.10	.38																				0.29		
Saguache.	do.			T.		T.		T.																								0.72
San Luis.	do.																															1.13
Wagon Wheel Gap Experiment Sta- tion.	do.	.27	T.		.06		.17	.11	.12	.24	T.																					
<i>New Mexico.</i>																																
Agricultural College.	Rio Grande.																															0.00
Alamogordo (near).	do.																															0.18
Alamogordo.	do.			T.		.08		T.																							0.14	
Alamas Ranch.	do.																															1.00
Albuquerque.	do.																															0.34
Ancho.	do.																															T.
Anchor Mine.	do.																															4.01
Artesia.	Pecos.	.13	*	.20		.07	.07																								0.47	
Aspen Grove Ranch.	Rio Grande.	.42		.19		.28	.11																								1.78	
Bateman's Ranch.	do.	.10	.20																													2.12
Berino.	do.																															0.00
Bluewater.	do.																															0.30
Boax.	Pecos.	.08		.10																											0.18	
Capitan.	do.																															0.60
Carlsbad.	do.																															0.20
Carizozo.	Rio Grande.																															0.02
Chama.	do.																															1.65
Cloudcroft.	Pecos.																															0.33
Corona.	do.																															0.39
Coyote.	Rio Grande.																															0.04
Cundyo.	do.																															1.08
Demonstration Farm.	Pecos.	* .48																														0.49
Durian.	do.																															0.72
Escondido.	Rio Grande.	* .15																														0.15
Espanola.	do.	.72		*	.20																										1.25	
Estancia.	do.																															0.14
Fort Stanton.	Pecos.	.05																														0.16
Fort Sumner.	do.																															T.
Gallinas.	do.																															T.
Gallinas Planting Station.	do.	* .30																														0.21
Glorieta Ranch.	Rio Grande.																															0.82
Harvey's Upper Ranch.	Pecos.	.18	T.																													0.00
Hillsboro.	Rio Grande.																															0.00
Hodges.	do.																															T.
Hondo Reservoir.	Pecos.	.12	.10																													0.24
Jemez Springs.	Rio Grande.	* .80		.30																											2.02	
Knowles (near).	Pecos.	.15																														0.17
Laguna.	Rio Grande.																															0.16
Lake Valley.	Pecos.																															T.
Lakewood.	Rio Grande.																															T.
Las Vegas.	Pecos.																															0.30
Liston.	do.																															0.00
Los Lunas.	Rio Grande.																															0.03
Magdalena.	do.																															T.
Mescalero.	do.																															0.03
Mineral Hill.	Pecos.	.30																														0.65
Monterey.	Rio Grande.																															T.
Mountainair.	do.																															T.
Newman.	do.																															0.10
Noria.	do.																															0.20
Orange.	do.																															T.
Orogrande.	do.																															0.07
Oscura.	do.																															0.11
Otis.	Pecos.	.08	.26	T.	.04																										0.38	
Otto.	Rio Grande.	.04																														1.02
Pastura.	Pecos.	* .25																														0.46
Placitas (near).	Rio Grande.																															0.75
Plainview.	Pecos.																															T.
Red River Canyon.	Rio Grande.	* .42																														1.62
Rincon.	do.																															T.
Rio Grande Dam.	do.																															T.
Rio Grande Industrial School.	do.																															0.54
Rosedale.	do.																															T.
Roswell.	Pecos.	.38																														

TABLE 2.—*Daily precipitation for November, 1911. District No. 8—Continued.*

TABLE 2.—*Daily precipitation for November 1911. District No. 8—Continued.*

\* Precipitation included in that of the next measurement.

Separate dates of falls not recorded.

Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow

TABLE 3.—Maximum and minimum temperatures at selected stations, November, 1911. District No. 8, Texas and Rio Grande Valley.

Date.	Colorado.				New Mexico.												Texas.											
	Garnett.		San Luis.		Agricultural College.		Carlsbad.		Fort Stanton.		Mountain-air.		Rosedale.		Roswell.		Santa Fe.		Santa Rosa.		Abilene.		Big Spring.		Brownsville.		Corpus Christi.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	43	19	49	22	70	36	60	39	47	23	50	24	50	30	43	26	47	28	35	25	67	38	67	35	82	66	76	62
2....	46	23	41	16	53	40	39	31	32	19	38	15	40	20	29	24	31	20	55	15	39	32	55	28	74	58	68	51
3....	50	15	49	15	52	33	42	27	52	26	40	24	49	28	38	29	43	22	63	30	44	31	46	31	60	50	56	46
4....	51	14	52	20	56	32	46	31	61	19	54	24	51	20	43	34	46	20	55	23	59	43	64	41	68	51	63	52
5....	44	22	48	25	65	45	70	45	56	36	53	30	52	34	68	41	41	31	59	28	66	51	73	49	85	56	78	59
6....	54	16	52	19	64	41	75	48	60	39	50	31	58	31	69	37	49	28	61	38	77	47	77	44	84	65	74	67
7....	53	16	45	24	63	42	65	46	56	33	56	23	55	28	54	35	44	27	55	32	60	46	65	44	88	65	72	59
8....	51	26	46	30	69	39	74	30	58	28	52	32	52	30	70	30	47	31	63	30	68	45	75	40	80	60	70	58
9....	66	20	45	27	70	49	79	49	63	31	60	30	60	40	76	44	66	34	66	40	80	56	78	52	87	68	81	58
10....	67	17	58	32	74	40	83	45	70	36	43	19	60	40	79	41	54	36	70	43	80	57	84	52	88	72	81	73
11....	58	10	46	10	69	42	80	57	60	42	33	21	54	39	72	37	46	17	61	33	87	26	86	51	86	76	82	74
12....	28	- 4	35	- 5	50	31	71	25	48	20	43	12	41	16	40	21	35	12	48	13	37	20	52	19	79	46	74	42
13....	45	9	45	10	59	34	60	28	64	21	58	23	53	25	54	26	44	24	67	23	54	25	58	26	53	42	52	39
14....	40	5	46	28	71	36	80	30	62	42	56	28	60	42	74	34	47	25	63	38	82	41	82	26	76	48	68	49
15....	41	10	56	16	71	34	76	37	66	25	58	33	71	21	53	26	72	35	80	48	79	41	83	33	71	60	76	
16....	45	13	44	23	69	34	74	34	66	25	.....	28	54	35	77	31	48	27	66	34	80	56	81	52	85	72	77	66
17....	51	10	44	14	57	31	79	40	54	27	.....	23	52	26	57	30	39	21	56	25	67	39	71	46	86	71	83	57
18....	61	9	53	13	63	28	76	45	57	29	.....	24	55	25	68	24	46	26	67	35	72	34	71	26	70	51	66	51
19....	50	8	54	18	67	29	74	23	65	23	.....	27	60	30	73	25	50	23	75	38	75	37	76	26	76	46	68	49
20....	56	14	63	19	67	28	79	33	67	27	.....	26	60	32	70	28	59	31	69	26	73	40	79	33	81	52	72	56
21....	55	10	52	22	72	34	75	34	65	20	.....	30	60	30	63	28	54	27	69	24	71	37	74	32	82	58	71	64
22....	44	9	51	17	63	31	79	33	59	30	54	27	55	25	68	31	49	26	60	35	75	48	76	36	83	62	75	67
23....	33	- 5	42	3	52	28	75	36	49	24	45	25	47	25	48	28	36	21	48	26	49	32	58	37	83	56	74	52
24....	33	- 6	46	- 5	52	19	60	22	54	6	52	8	48	20	57	18	42	19	61	19	58	24	59	18	54	47	57	43
25....	40	- 6	46	- 2	55	21	65	24	56	15	52	14	50	22	65	23	45	18	63	19	59	31	62	18	58	47	55	47
26....	38	0	41	17	57	9	70	22	62	15	56	25	55	22	70	17	43	17	62	32	67	34	67	24	65	48	59	44
27....	37	- 5	26	8	48	23	59	18	47	18	37	17	42	20	43	27	24	7	56	22	49	28	54	31	61	50	65	47
28....	20	- 8	20	- 15	35	16	39	21	31	- 3	26	5	28	0	33	13	16	- 8	31	8	33	18	32	18	50	42	47	38
29....	22	- 15	30	- 13	46	7	55	11	39	1	37	2	34	5	48	10	28	- 7	44	6	42	14	50	7	52	29	48	30
30....	42	- 8	43	- 7	52	16	57	15	51	14	46	4	45	15	56	12	37	12	56	18	60	23	59	13	53	27	54	29
Mns..	45.1	7.9	45.6	13.5	60.4	31.1	67.2	32.6	55.9	24.0	47.4	21.7	51.4	26.9	59.2	28.0	43.2	21.4	59.2	27.4	63.6	36.8	67.0	33.2	73.7	54.3	67.9	53.0

Date.	Texas.																											
	Del Rio.		El Paso.		Fort McIntosh.		Fort Stockton.		Fort Worth.		Galveston.		Hallettsville.		Houston.		Lufkin.		Palestine.		Plainview.		San Antonio.		Seymour.		Taylor	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	64	58	69	48	75	57	68	47	61	40	70	59	73	52	71	53	68	42	65	44	57	33	69	52	60	32	70	45
2....	61	43	48	37	68	41	56	30	43	36	59	48	55	51	58	47	69	42	50	42	34	18	60	43	45	20	50	43
3....	46	42	52	34	50	39	45	30	44	38	50	44	53	42	54	41	78	49	47	38	39	21	49	39	52	20	50	39
4....	55	44	56	36	59	41	60	38	55	43	65	47	68	53	69	45	65	39	60	43	55	33	58	48	63	32	57	47
5....	62	50	64	46	77	46	75	50	66	47	70	58	75	59	75	53	64	42	76	53	67	43	71	53	70	40	75	54
6....	76	56	61	47	79	54	77	43	76	54	79	66	79	63	82	67	81	64	77	63	67	34	78	60	75	35	78	60
7....	61	55	58	44	75	54	67	48	63	51	72	58	63	58	71	57	73	54	66	53	59	36	65	55	70	41	64	52
8....	71	51	69	39	75	53	80	42	62	51	65	57	68	62	70	56	72	55	63	53	69	33	72	54	72	34	68	52
9....	73	57	71	50	87	52	84	53	81	55	76	63	79	63	82	57	81	55	74	56	75	35	75	54	87	43	77	56
10....	77	54	74	49	90	64	87	43	85	60	77	71	86	70	87	64	85	65	77	38	81	45	65	80	83	68	81	68
11....	83	52	73	47	90	54	88	52	85	30	78	72	84	75	83	74	83	73	82	38	74	24	87	54	87	22	86	41
12....	52	34	51	37	93	41	72	21	39	21	74	40	75	37	76	35	78	31	39	26	39	13	54	37	38	10	41	30
13....	50	34	62	37	62	37	78	29	47	22	50	35	53	32	52	31	52	24	48	24	54	23	51	33	55	16	49	49
14....	67	37	71	46	76	43	85	42	75	39	70	50	72	46	74	45	71	33	71	40	71	38	71	49	84	32	74	54
15....	86	44	70	42	89	44	83	49	77	43	69	60	77	51	87	55	78	39	75	48	74	30	83	51	75	28	82	49
16....	78	58	72	46	90	64	88	45	81	58	73	67	81	65	79	65	79	48	78	62	74	29	82	66	82	40	81	64
17....	71	43	57	41	85	65	76	50	73	45	77	54	79	69	82	53	80	55	72	48	59	31	74	50	79	27	74	55
18....	68	41	64	32	78	40	75	32	71	37	62	51	69	43	68	45	79	50	68	39	67	24	68	43	73	35	60	25
19....	68	33	64	33	80	34	81	37	77	41	67	53	68	35	72	44	74	32	72	47	72	27	72	42	79	25	72	39
20....	73	34	71	29	84	43	75	40	79	44	70	57	71	38	77	46	70	34	75	46	71	30	75	42	71	24	74	39
21....	74	44	72	40	82	53	80	32	74	43	67	55	73	44	73	48	65	40	72	41	70	26	74	47	74	23	73	42
22....	76	56	66	43	85	61	77	42	71	58	67	71	56	74	58	65	34	69	53	55	34	70	62	79	30	73	59	
23....	57	43	54	38	79	50	62	35	59	36	71	51	59	54	67	48	68	32	60	39	56	26	62	46	65	30	63	40
24....	58	31	53	28	65	40	61	25	52	29	54	40	58	34	54	36	52	29	50	31	61	19	57	36	58	20	52	31
25....	62	39	58	28	59	41	62	25	62	30	51	44	61	42	55	36	50	23	56	32	58	24	58	36	57	22	59	26
26....	64	35	60	26	64	35	63	30	66	35	64	47	64	30	63	38	62	25	60	38	69	39	68	40	72	26	64	34
27....	58	37	51	30	66	43	57	33	53	34	64	44	58	52	64	42	62	35	56	36	39	24	62	40	60	24	58	36
28....	42	29	36	22	62	39	37	19	34	26	44	34	52	34	42	33	50	22	38	27	28	11	42	30	40	26	58	36
29....	53	18	42	16	54	27	51	14	42	23	39	26	43	25	40	23	52	29	36	21	45	6	48	23	42	7	40	26
30....	60	21	49	17	65	28	63	19	61	21	50	34	53	17	52	23	55	15	52	24	60	16	56	23	65	20	57	19
Mns.	64.0	42.4	60.6	36.9	74.8	46.1	70.4	36.5	63.8	39.7	65.0	51.7	67.3	48.4	68.2	47.5	68.8	40.6	63.1	42.3	59.8	27.3	66.2	45.8	67.3	27.5	65.1	42.0

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

Data are from standard instruments not supplied by the U. S. Weather Bureau.

Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.